

MD 45 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

CONSTRUCTION DETAILS

- A. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH CONCRETE PAD (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN CABINET BASE).
- B. REMOVE EXISTING POLE MOUNTED CABINET AND TWO-CIRCUIT FLASHER UNIT. USE EXISTING STRAIN POLE AND INSTALL PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND R10-4(1) SIGN AND 1-3 IN. AND 1-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN EXISTING POLE BASE. EXISTING METER PAN AND DISCONNECT SWITCHES SHALL REMAIN IN PLACE.
- C. REMOVE EXISTING SPAN WIRE AND SIGNALS HEADS AND INSTALL 3/8 IN. STEEL SPAN WIRE, SIGNAL HEADS AND SIGN AS NOTED.
- D. REMOVE EXISTING PAVEMENT MARKINGS BEYOND STOP LINE.
- E. USE EXISTING STRAIN POLE. (NOTE: TIE PROPOSED 2 IN. CONDUIT INTO EXISTING 2 IN. CONDUIT BEND IN POLE BASE.)
- F. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
- G. INSTALL HANDHOLE.
- H. INSTALL 6 FT. X 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
- J. INSTALL MICROLOOP PROBE SET WITH 500 FT. LEAD-IN.
- K. INSTALL MICROLOOP PROBE SET WITH 1000 FT. LEAD-IN.
- L. INSTALL 2 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED). 105'
- M. INSTALL 2 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).
- N. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
- O. INSTALL 4 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
- P. INSTALL 24 IN. WHITE THERMOPLASTIC PAVEMENT MARKINGS (STOP LINE).
- Q. INSTALL 12 IN. WHITE THERMOPLASTIC PAVEMENT MARKINGS (CROSSWALK).
- R. INSTALL 5 IN. WHITE THERMOPLASTIC PAVEMENT MARKINGS (EDGE LINE).
- S. REMOVE EXISTING PAVEMENT MARKINGS.
- T. INSTALL W3-3 "SIGNAL AHEAD" SIGN (36 IN. X 36 IN.) WITH "NEW" PANEL AND D3-(2) "FREELAND RD" SIGN AND FLAGS ON ONE 4 IN. X 6 IN. TREATED WOOD POST APPROXIMATELY 600 FT. IN ADVANCE OF THE INTERSECTION ON MD 45.
- U. INSTALL W3-3 "SIGNAL AHEAD" SIGN (36 IN. X 36 IN.) WITH "NEW" PANEL AND FLAGS ON ONE 4 IN. X 6 IN. TREATED WOOD POST APPROXIMATELY 550 FT. IN ADVANCE OF THE INTERSECTION ON FREELAND ROAD.
- V. REMOVE EXISTING R1-1 SIGN AND SUPPORT.
- W. REMOVE EXISTING W3-1 "STOP AHEAD" SIGN AND SUPPORT LOCATED APPROXIMATELY 227 FT. IN ADVANCE OF THE INTERSECTION OF MD 45.
- X. REMOVE AND DISPOSE OF EXISTING M3-1, M1-5, M6-1 AND M3-3, M1-5, M6-1 SIGNS AND SUPPORT.

CONSTRUCTION DETAILS CONT.

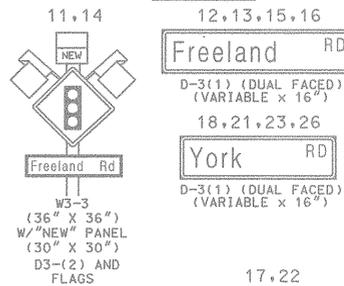
- Y. INSTALL SIDEWALK RAMP (STANDARD NO.655.14, METHOD C) AND 4 IN. CONCRETE SIDEWALK FOR ACCESS TO PUSHBUTTON.
- Z. INSTALL SIDEWALK RAMP (STANDARD NO.655.14, METHOD C)
- AA. USE EXISTING STRAIN POLE AND INSTALL SHIELD ASSEMBLY SIGNS AS NOTED. (NOTE: TIE PROPOSED 2 IN. CONDUIT INTO EXISTING 2 IN. CONDUIT BEND IN POLE BASE.)
- BB. USE EXISTING STRAIN POLE AND INSTALL PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND R10-4(1) SIGN AND SHIELD ASSEMBLY SIGNS AS NOTED. (NOTE: TIE PROPOSED 2 IN. CONDUIT INTO EXISTING 2 IN. CONDUIT BEND IN POLE BASE.)
- CC. USE EXISTING HANDHOLE.
- DD. USE EXISTING CONDUIT.
- EE. PROPOSED OVERHEAD ELECTRICAL SERVICE.
- FF. INSTALL 3/4 IN. EMT CONDUIT THROUGH FIREHOUSE WALL. (NOTE: CONDUIT SHALL ENTER THROUGH FIREHOUSE WALL BETWEEN INTERIOR WALL AND GARAGE BAY)
- GG. ATTACH 3/4 IN. EMT CONDUIT ONTO EXTERIOR WALL OF FIREHOUSE (NOTE: CONDUIT SHALL RUN ABOVE CONNECTION OF EXISTING ELECTRICAL SERVICE).
- HH. ATTACH 3/4 IN. EMT CONDUIT ONTO INTERIOR WALL OF FIREHOUSE.
- JJ. INSTALL FIREHOUSE PUSHBUTTON.
- KK. INSTALL 1/4 IN. TETHER WIRE WITH ELECTRICAL CABLE FOR FIREHOUSE PUSHBUTTON.
- LL. ATTACH 1/4 IN. TETHER WIRE WITH ELECTRICAL CABLE FOR FIREHOUSE PUSHBUTTON TO EXTERIOR WALL OF FIREHOUSE (NOTE: TETHER WIRE SHALL BE ATTACHED TO EXTERIOR WALL ABOVE CONNECTION OF EXISTING ELECTRICAL SERVICE).
- MM. REMOVE EXISTING W2-1 "INTERSECTION WARNING", AND D3-(2) "STREET NAME" SIGN AND SUPPORT LOCATED APPROXIMATELY 800 FT IN ADVANCE OF THE INTERSECTION ON NORTHBOUND AND SOUTHBOUND MD 45.
- NN. REMOVE EXISTING W3-1 "STOP AHEAD" SIGN AND SUPPORT LOCATED APPROXIMATELY 700 FT IN ADVANCE OF THE INTERSECTION ON FREELAND ROAD
- OO. INSTALL 2 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND TELEPHONE SERVICE. CAP AND MARK CONDUIT AT UTILITY POLE FOR USE BY OTHERS.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

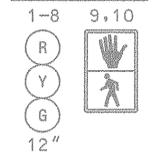
AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
STORM DRAIN	SD
WATER	W
CABLE TV	TV

WR&A
Whitman, Reardon
and Associates, LLP
2315 Saint Paul Street
Baltimore, Maryland 21218
(410) 235-3450

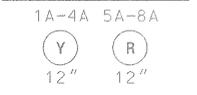
PROPOSED SIGNS



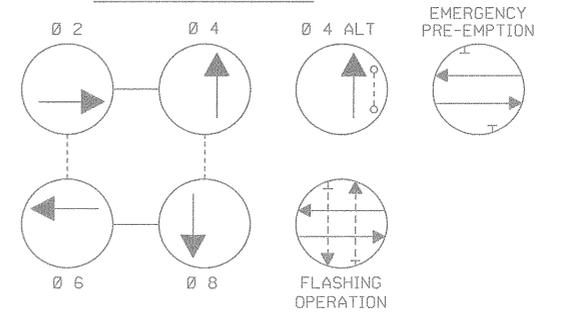
PROPOSED SIGNALS



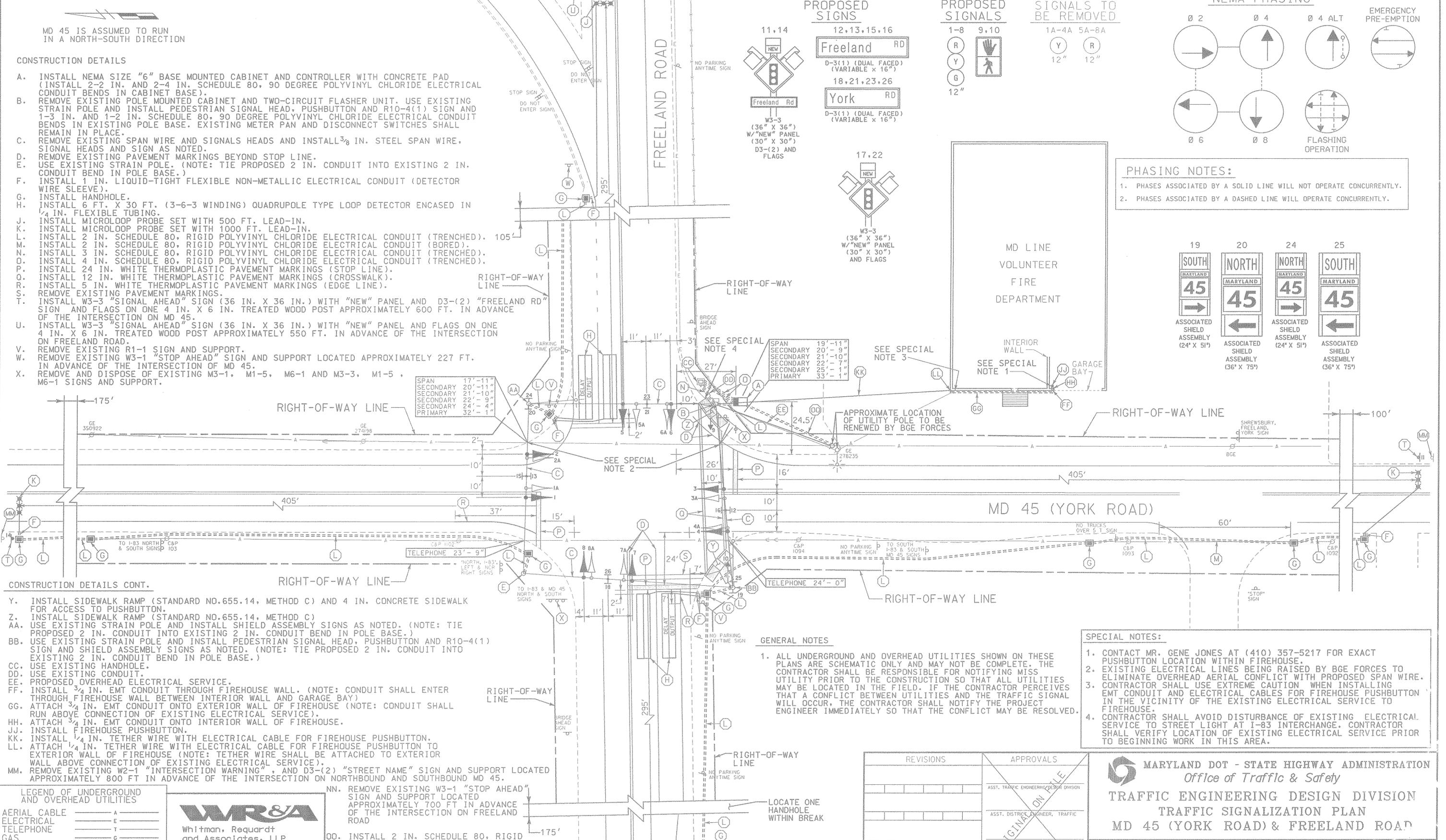
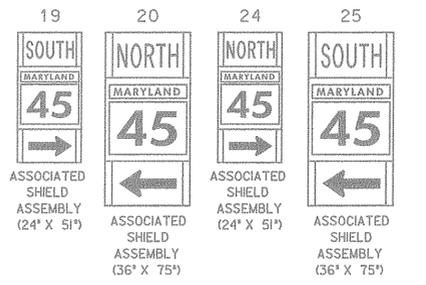
EXISTING SIGNALS TO BE REMOVED



NEMA PHASING



PHASING NOTES:
1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.



GENERAL NOTES

- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.

SPECIAL NOTES:

- CONTACT MR. GENE JONES AT (410) 357-5217 FOR EXACT PUSHBUTTON LOCATION WITHIN FIREHOUSE.
- EXISTING ELECTRICAL LINES BEING RAISED BY BGE FORCES TO ELIMINATE OVERHEAD AERIAL CONFLICT WITH PROPOSED SPAN WIRE.
- CONTRACTOR SHALL USE EXTREME CAUTION WHEN INSTALLING EMT CONDUIT AND ELECTRICAL CABLES FOR FIREHOUSE PUSHBUTTON IN THE VICINITY OF THE EXISTING ELECTRICAL SERVICE TO FIREHOUSE.
- CONTRACTOR SHALL AVOID DISTURBANCE OF EXISTING ELECTRICAL SERVICE TO STREET LIGHT AT I-83 INTERCHANGE. CONTRACTOR SHALL VERIFY LOCATION OF EXISTING ELECTRICAL SERVICE PRIOR TO BEGINNING WORK IN THIS AREA.

REVISIONS	APPROVALS
	ASST. TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. DISTRICT ENGINEER, TRAFFIC
	CHEF TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
MD 45 (YORK ROAD) & FREELAND ROAD

DRAWN BY: B. THOMPSON	F.A.P. NO. BA358A5/BSL	TS NO. I644A	SHEET NO. 1 OF 2
CHECKED BY:	S.H.A. NO. BALTIMORE	T.I.M.S. NO. D382	
SCALE: 1" = 20'	COUNTY: BALTIMORE	LOG MILE:	
DATE: 10-22-78			